

**S**YSTEM **P**LANNING & **A**NALYSIS **R**eport

**S-118**

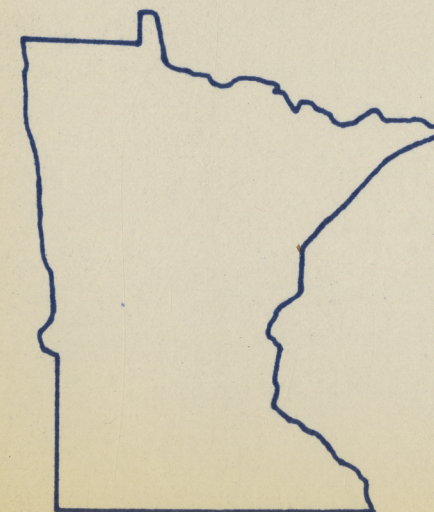
T.H. 35W

FROM CHICAGO AVENUE  
TO HENNEPIN AVENUE

S.P. 2781-09, 2783-03

NOVEMBER, 1972

PREPARED BY  
**OFFICE OF SYSTEM PLANNING**



**MINNESOTA  
DEPARTMENT  
OF HIGHWAYS**



DEPARTMENT HIGHWAY - Statewide Planning -  
Room 807 - Extension 3158

# Office Memorandum

TO : Paul G. Velz  
Road Design Engineer

DATE: November 10, 1972

FROM : Morris Gildemeister, Chief  
Statewide Planning Section

SUBJECT: T.H. 35W  
Chicago Avenue to Hennepin Avenue  
S.P. 2781-09, 2783-03  
System Planning and Analysis Report S-118

In answer to R. A. Elasky's request for 1973 ADT, DHV, HCA DT volumes, the following report is transmitted. For the project location shown on the Page 2 map, the 1973 ADT volumes are presented on the Page 3 map. Pages 4 through 9 present the distribution of 1973 volumes by vehicle type. Basic information in preparing this report is presented on Page 10.

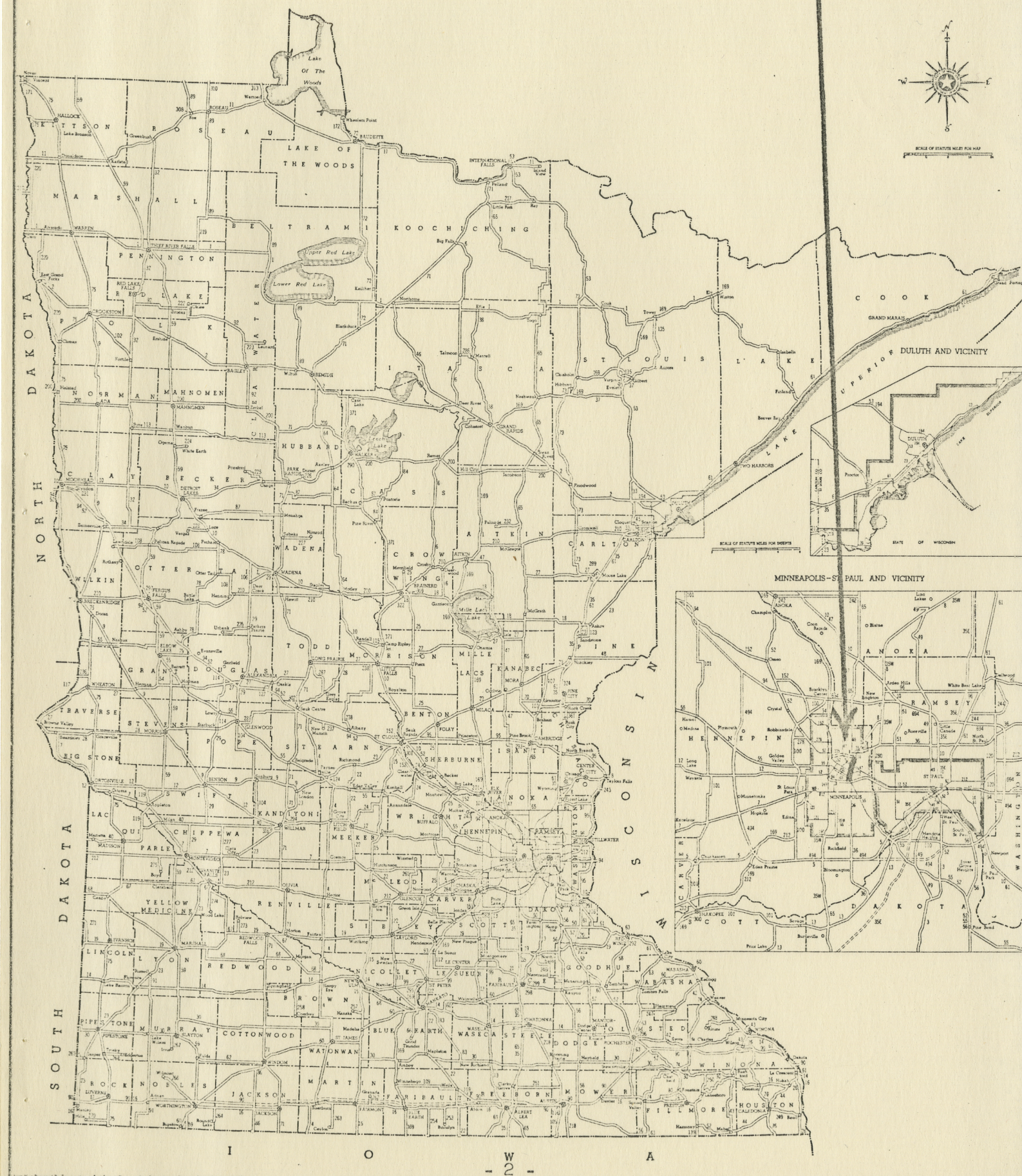
*Morris Gildemeister*

Morris Gildemeister, Chief  
Statewide Planning Section

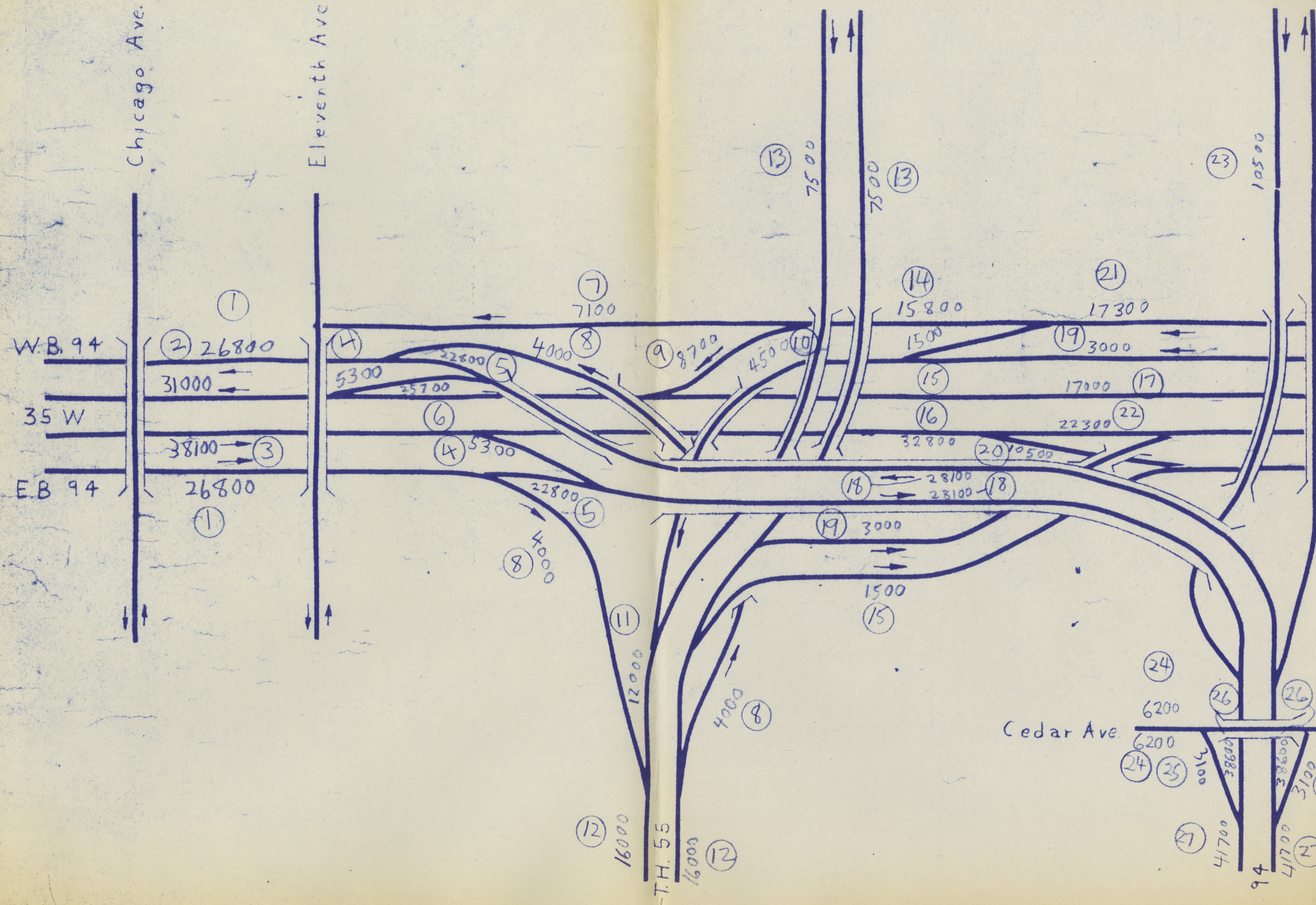
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STATE OF MINNESOTA  
DEPARTMENT OF HIGHWAYS  
WORK MAP

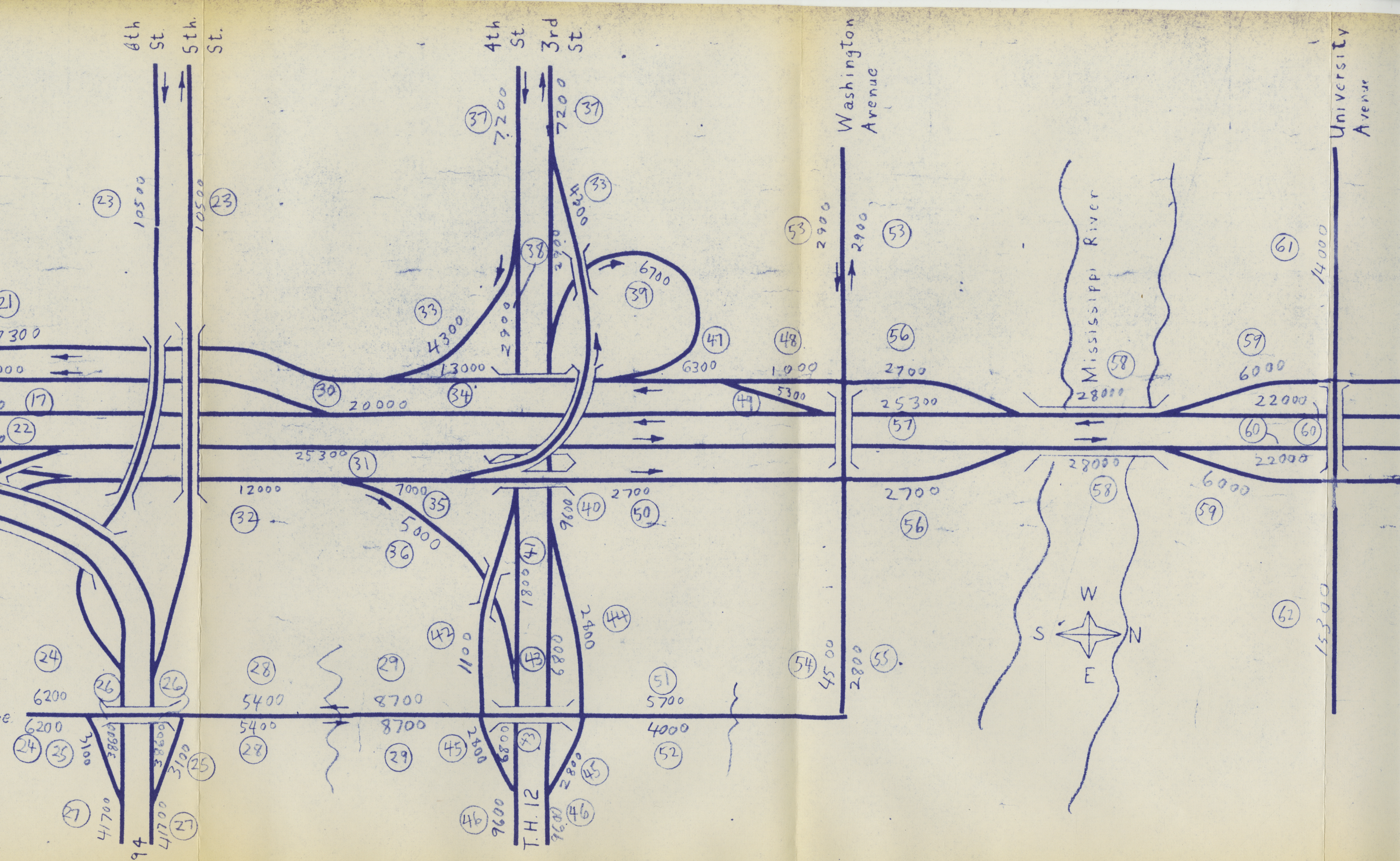
Project Location  
S.P. 2781-09, 2783-03













S-118  
November, 1972

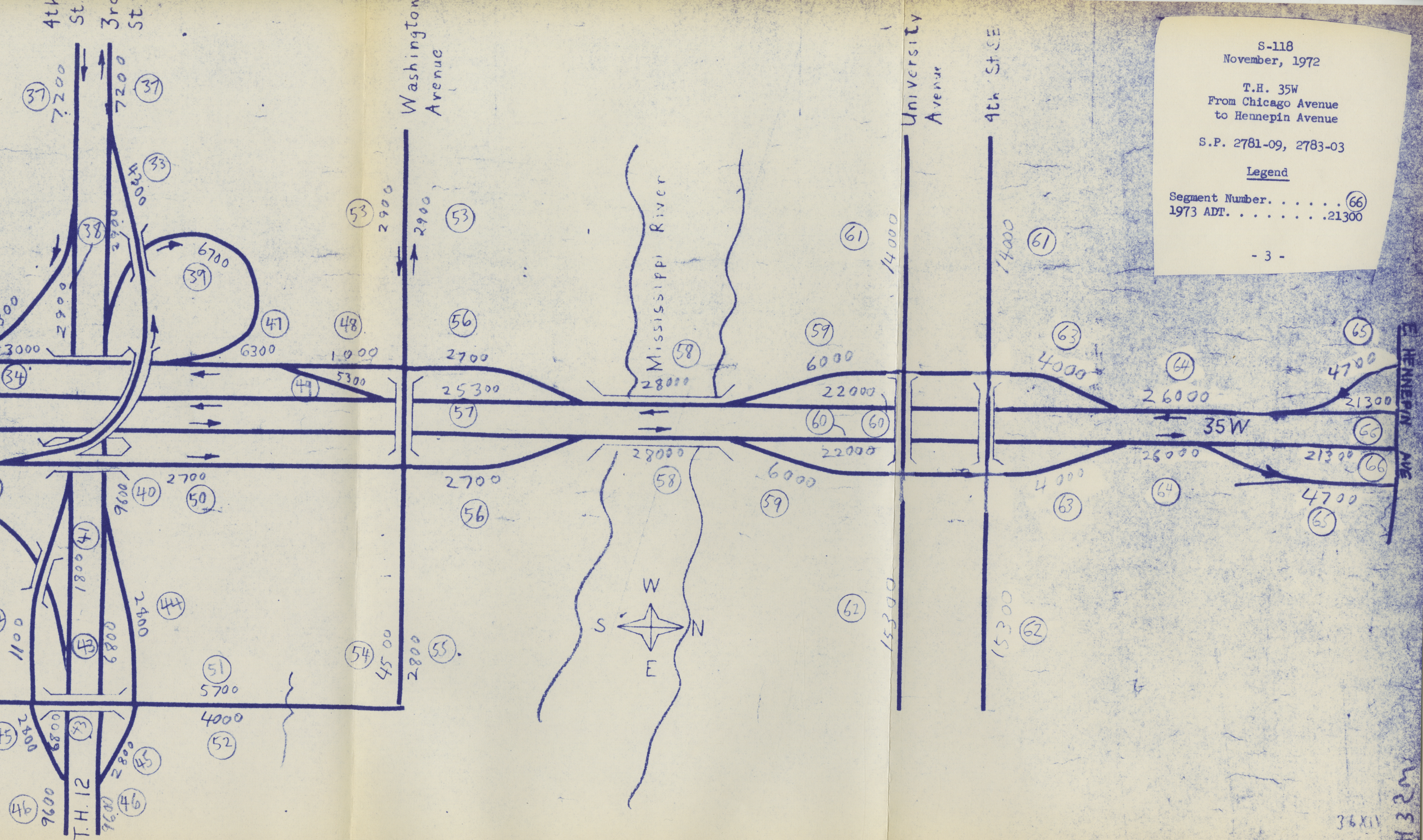
T.H. 35W  
From Chicago Avenue  
to Hennepin Avenue

S.P. 2781-09, 2783-03

Legend

Segment Number. . . . . (66)  
1973 ADT. . . . . 21300

- 3 -





TRAFFIC ESTIMATE DATA

DESIGN YEAR 1973 PART 1 OF 6

FOR

T.H. 35W S.P. 2781-09, 2783-03 LENGTH --- MILES  
COUNTY Hennepin LOCATION Chicago Ave. to Hennepin Ave.

BASED ON

1973 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS  
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	24614	29124	35773	5095	20859	24029	6615	3755	8156	4166	11147
1	953	947	1130	103	823	844	207	130	301	178	458
2	128	110	135	12	101	98	32	27	35	36	93
3	91	93	131	10	57	83	48	34	22	45	116
4	160	290	388	32	137	258	94	23	65	32	82
5	253	310	396	34	227	276	85	26	81	34	83
6	601	126	147	14	596	112	19	5	40	9	21
TOTAL ADT	26800	31000	38100	5300	22800	25700	7100	4000	8700	4500	12000
TOTAL H. COMM. ADT	2186	1876	2327	205	1941	1671	485	245	544	334	853
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

\* VEHICLE TYPE CODE

- 0= PASSENGER CARS AND 4 TIRE TRUCKS  
1= SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
2= SINGLE UNIT-3 AXLE TRUCKS  
3= TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4= TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
5= TRACTOR-TRUCK OR SEM-TRAILER - 5 AXLES  
6= BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1973 PART 2 OF 6

FOR

T.H. 35W S.P. 2781-09, 2783-03 LENGTH --- MILES  
COUNTY Hennepin LOCATION Chicago Ave. to Hennepin Ave.

BASED ON

1973 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS  
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	14902	7061	14771	1388	30678	15873	25954	2778	9862	16159	20816
1	588	238	508	60	1027	543	926	118	309	568	718
2	120	49	67	12	123	63	113	24	37	79	86
3	150	60	70	15	121	61	67	30	36	85	85
4	105	42	159	11	356	193	169	21	107	170	240
5	109	40	166	11	362	195	261	23	109	177	253
6	26	10	59	3	133	72	610	6	40	62	93
TOTAL ADT	16000	7500	15800	1500	32800	17000	28100	3000	10500	17300	22300
TOTAL H. COMM. ADT	1098	439	1029	112	2122	1127	2146	222	638	1141	1484
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

\* VEHICLE TYPE CODE

- 0= PASSENGER CARS AND 4 TIRE TRUCKS  
1= SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
2= SINGLE UNIT-3 AXLE TRUCKS  
3= TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4= TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
5= TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
6= BUSES AND TRUCKS WITH TRAILERS



TRAFFIC ESTIMATE DATA

DESIGN YEAR 1973 PART 3 OF 6

FOR

T.H. 35W S.P. 2781-09, 2783-03 LENGTH ---- MILES  
COUNTY Hennepin LOCATION Chicago Avenue to Hennepin  
Avenue

BASED ON

1973 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 23 THROUGH 33 AS  
DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	23	24	25	26	27	28	29	30	31	32	33
0	9546	5839	2945	35500	38445	5090	8131	18651	23594	11250	4039
1	518	196	84	1444	1528	168	322	661	836	369	129
2	106	40	17	219	236	34	66	87	110	49	16
3	130	49	21	197	218	42	64	91	115	51	17
4	91	34	15	260	275	30	50	214	270	118	41
5	87	34	15	348	363	30	55	218	276	120	42
6	22	8	3	632	635	6	12	78	99	43	16
TOTAL ADT	10500	6200	3100	38600	41700	5400	8700	20000	25300	12000	4300
TOTAL H. COMM. ADT	954	361	155	3100	3255	310	569	1349	1706	750	261
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

\* VEHICLE TYPE CODE

- 0= PASSENGER CARS AND 4 TIRE TRUCKS  
1= SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
2= SINGLE UNIT-3 AXLE TRUCKS  
3= TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4= TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
5= TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
6= BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1973 PART 4 OF 6

FOR

T.H. 35W S.P. 2781-09, 2783-03 LENGTH ---- MILES  
COUNTY Hennepin LOCATION Chicago Avenue to Hennepin  
Avenue

BASED ON

1973 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 34 THROUGH 44 AS  
DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	34	35	36	37	38	39	40	41	42	43	44
0	12120	6568	4682	6741	2702	6243	8945	1686	1016	6368	2577
1	439	213	156	230	101	231	332	56	45	212	120
2	63	28	21	33	17	36	53	8	9	29	24
3	68	29	22	36	19	40	59	8	11	30	29
4	129	63	50	67	26	63	89	18	8	63	21
5	135	69	51	69	27	66	93	18	9	69	24
6	46	25	18	24	8	21	29	6	2	24	5
TOTAL ADT	13000	7000	5000	7200	2900	6700	9600	1800	1100	6800	2800
TOTAL H. COMM. ADT	880	432	318	459	198	457	655	114	84	432	223
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

\* VEHICLE TYPE CODE

- 0= PASSENGER CARS AND 4 TIRE TRUCKS  
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2= SINGLE UNIT-3 AXLE TRUCKS  
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- 4= TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
5= TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
6= BUSES AND TRUCKS WITH TRAILERS



## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1973 PART 5 OF 6

FOR

T.H. 35W S.P. 2781-09, 2783-03 LENGTH \_\_\_\_\_ MILESCOUNTY Hennepin LOCATION Chicago Ave. to Hennepin Ave.

BASED ON

1973 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 45 THROUGH 55 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	45	46	47	48	49	50	51	52	53	54	55
0	2577	8882	5877	934	4943	2529	5351	3755	2590	4184	2604
1	120	366	208	33	175	84	198	139	177	180	112
2	24	59	27	4	23	12	40	28	35	36	22
3	29	68	28	4	24	12	39	27	35	35	22
4	21	96	66	10	56	27	31	22	27	28	17
5	24	99	69	11	58	27	34	24	30	31	19
6	5	30	25	4	21	9	7	5	6	6	4
TOTAL ADT	2800	9600	6300	1000	5300	2700	5700	4000	2900	4500	2800
TOTAL H. COMM. ADT	223	718	423	66	357	171	349	245	310	316	196
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS

## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1973 PART 6 OF 6

FOR

T.H. 35W S.P. 2781-09, 2783-03 LENGTH ---- MILESCOUNTY Hennepin LOCATION Chicago Ave. to Hennepin Ave.

BASED ON

1973 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 56 THROUGH 66 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	56	57	58	59	60	61	62	63	64	65	66
0	2459	23594	26053	5598	20455	12978	14170	3636	24091	4227	19864
1	135	836	971	241	730	462	514	158	888	346	542
2	12	110	122	29	93	84	91	28	121	55	66
3	39	115	154	32	122	112	119	25	147	22	125
4	13	270	283	16	267	98	106	46	313	24	289
5	14	276	290	48	242	210	228	87	329	14	315
6	28	99	127	36	91	56	63	20	111	12	99
TOTAL ADT	2700	25300	28000	6000	22000	14000	15300	4000	26000	4700	21300
TOTAL H. COMM. ADT	241	1706	1947	402	1545	1022	1121	364	1909	473	1436
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

## \* VEHICLE TYPE CODE

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 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
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Basic Information in Preparing This Report

The 1973 ADT and DHV is presented in SPAR M-103 transmitted August 21, 1972.

HCADT totals agree with System 14 study. Vehicle type distributions of total HCADT agree with vehicle classification counts taken on or near the project location.